

## **ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP**

**March 11, 2010**

### **COMMITTEE MEMBERS PRESENT**

Ed Mandich, Committee Chair  
Matt Disston, Committee Member

### **STAFF PRESENT**

Don Chadd, General Manager  
Hector Ruiz, District Engineer  
Teresa Teichman, District Secretary  
Kris Hanberg, Wastewater Supervisor  
Neil McKenna, Water Supervisor  
Bob Beck, Maintenance Supervisor  
Michael Perea, Special Projects Manager  
Mary Ellen Lyons, Office Support Technician

### **PUBLIC PRESENT**

No members of the public were present.

### **CALL THE MEETING TO ORDER**

Committee Chair Mandich called the Engineering/Operational Committee Meeting to order at 7:05 a.m.

### **PUBLIC PARTICIPATION**

Public comments were announced. There were no oral or written comments.

### **ORAL COMMUNICATION**

There were no comments.

### **COMMITTEE MEMBER COMMENTS**

There were no comments.

### **REPORT FROM THE GENERAL MANAGER**

There was no report from the General Manager.

PROJECT MANAGEMENT

ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL  
WATER TREATMENT FACILITY

Mr. Hector Ruiz, District Engineer, stated that the Baker Committee scheduled to meet on March 11, 2010 has been canceled.

Mr. Ruiz reviewed the project schedule, stated the Preliminary Design Report has been received and is currently being reviewed by the Irvine Ranch Water District (IRWD).

Mr. Ruiz mentioned that TCWD and El Toro Water District staff met with IRWD staff to discuss potential financing options available through IRWD.

A status update will be provided to the Board of Directors at the April 15, 2010 Regular Board Meeting.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1B) STATUS UPDATE RELATING TO ROSE CANYON AND LANG  
WELLS GROUNDWATER TREATMENT FACILITY

Mr. Ruiz stated he met with Southern California Edison (SCE) on March 5, 2010 to discuss temporary power options and updates and changes to SCE's permanent power design. Per the design, a temporary power pole and meter is required for Rose Well operation. The existing meter and pole is scheduled to be permanently removed.

Mr. Ruiz advised he is working with the State Department of Public Health in order to incorporate the final cost and update the loan agreement to reflect the construction cost of the project.

A status update will be provided to the Board of Directors at the April 15, 2010 Regular Board Meeting.

The Engineering/Operational Committee received the status update. No action taken.

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ITEM NO. 1C) STATUS UPDATE RELATING TO WATER MONITORING AND  
WATER CONSERVATION EFFORTS

Mr. Don Chadd, General Manager, discussed the year-to-date water allocation tables provided by the Municipal Water District of Orange County (MWDOC).

Mr. Chadd reviewed each of the Director's monthly residential water consumption. Each director's consumption continues to remain in the low user category.

*The Engineering and Operational Committee received the status update. No action taken.*

ITEM NO. 1D) STATUS UPDATES REGARDING ON-GOING ENGINEERING  
PROJECTS

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz reported he is meeting with the surge control company in regard to the rehabilitation of the surge tank. Mr. Ruiz is continuing to work with maintenance staff to evaluate replacement of the dry pit pumps. The project is projected to start at the beginning of the next fiscal year.

2. Water Systems Inter-Tie Reliability Study

Mr. Ruiz reported that water operations staff will meet later this morning to review and finalize the data obtained from past meetings with IRWD and SMWD. A table will be prepared for the May Engineering and Operations Committee meeting.

3. Shadow Rock Detention Basin Project

Mr. Ruiz advised there is no new activity to report at this time.

4. T-mobile Trabuco Highlands Reservoir Antenna Installation

Mr. Ruiz advised T-mobile is in the final stage of obtaining an easement from the County of Orange. It is anticipated ground breaking will occur in early April, 2010.

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5. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz reported there is no new activity to report at this time.

6. El Toro Road Sewer Lift Station

Mr. Ruiz discussed possible future update needs for the facility. Mr. Ruiz relayed there is no new information on the sewer diversion to IRWD at this time.

7. Dove Lake Evaluation

Mr. Ruiz advised he is working with an engineering firm for prevention strategies for any potential lake turn-over. Mr. Ruiz has received a scope of work to perform an evaluation of the lake including topography of the lake bottom, field testing, and providing a lake model to evaluate different scenarios..

8. Trabuco Canyon Water District Server Evaluation

Mr. Ruiz stated our new IT provider is performing a complete evaluation of the server, computers, and the network.

9. Other Projects

Mr. Ruiz reported the surge tank at the Dimension Water Treatment Plant is being repaired due to a rupture of the tank's pressure bladder and internal corrosion of the tank. The tank is being recoated and the bladder is being replaced.

**The Engineering/Operational Committee received the status updates. No action taken.**

**ITEM 1E) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS**

1. Orange County Fire Authority Sewer System Project

There is no new activity to report.

2. Oaks at Trabuco

There is no new activity to report.

3. Rancho Las Lomas

There is no new activity to report.

4. Other Active Developments

No other developments were discussed.

**The Engineering/Operational Committee received the status update. No action taken.**

ITEM NO. 1F) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor, provided the February 2010 update.

Source Water Production

1. The water treatment plant production totaled 34 acre feet.
2. The Rose Canyon Well produced 40 acre feet and the Lang Well produced 17 acre feet.
3. The average daily demand was 3.0 acre feet, or 1.5 cfs.

Projects and Repairs

1. Water Department Personnel repaired a 2-inch water service line in the Falcon Estates development.
2. Water Department Personnel repaired a 1-inch water service line in the lower Robinson Ranch Community.

Mr. McKenna reported that the Water Treatment Plant has been off-line since the end of February. Rehabilitation of the filters are occurring during this time.

**The Engineering/Operational Committee received the status update. No action taken.**

ITEM NO. 1G) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the February 2010 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 57.9 acre feet.

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2. The recycled water demand was 8.9 acre feet.
3. Dove Lake had 1.0 feet of freeboard.
4. The reclaimed water reservoir had 1.5 feet of freeboard.
5. The District pumped a total of 63.0 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 3.69 acre feet.

**Projects**

1. District Personnel performed exploratory digging for a 6-inch recycled line within the Walden Community.
2. District Personnel inspected business establishments for source control compliance and documentation.

Mr. Hanberg discussed the Sewer System Management Plan (SSMP) Report for February.

Mr. Hanberg discussed a manhole discovered by IRWD in the backyard of a private residence in the Portola Hills Community.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1H) FEBRUARY 2010 OPERATIONAL REPORT REVIEW**

There were no anomalies to report.

**The Engineering/Operational Committee received and filed the report. No action taken.**

**ITEM NO. 1I) ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP**

No changes were made to the Engineering/Operational recap.

**The Engineering/Operational Committee recommended that the Board receive and file the February 11, 2010 Engineering/Operational Committee Meeting Recap.(Consent Calendar.)**

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ITEM NO. 1J) OTHER MATTERS/REPORT

Mr. Ruiz reported TCWD has received an invoice from SMWD for capital improvements and maintenance projects for the Chiquita Sewer and Treatment System Reservoir dating back to 2006. Mr. Ruiz is currently reviewing the supporting documentation and will provide a status update at the next committee meeting.

*The Engineering/Operational Committee received the information as presented. No action taken.*

ADJOURNMENT

Committee Chair Haselton adjourned the March 11, 2010 Engineering/Operational Committee Meeting at 7:50 a.m.